

## EU-TYPE EXAMINATION CERTIFICATE

Certificate number	1642-18
Manufacturer	Shenzhen Kaifa Technology (Chengdu) Co., Ltd.
Contact person	Ms. Sona Qin
Address	No.1218 Hezuo Rd., Hi-Tech Development Zone (West)
Postal code, City	Chengdu
Country	China
Production site	Shenzhen Kaifa Technology (Chengdu) Co., Ltd.
Address	No.1218 Hezuo Rd., Hi-Tech Development Zone (West)
Postal code, City	Chengdu
Country	China
Instrument	Electronic single-phase two-wire, energy meter Direct connected
Mark - Type	MA110M
Register	LCD
Accuracy Class	Active: 1/B - 1000 imp./kWh Reactive: 2 - 1000 imp./kvarh
Measurement range	230 V, 0,25..5(60) A, 50 Hz
Temperature range	-40 .. 70 °C
Use	indoor
Protection Class	II
Environmental class	M1, E1 and E2
Registry method	Programmable, the meters are delivered as: Bi-directional method separate registers: received- and delivered energy is added in separate registers

The energy meters meet the requirements of Directive 2014/32/EU, on the harmonisation of the laws of Member States relating to the making available on the market of measuring instruments (recast).

Certification was based on compliance with the following harmonised standards:

EN 50470-1:2006	Electricity metering equipment (a.c.)-part 1: General requirements, tests and test conditions - Metering equipment (class indexes A, B and C)
EN 50470-3:2006	Electricity metering equipment (a.c.)-part 3: Particular requirements - Static meters for active energy (class indexes A, B and C)
Valid until	20 November 2028

Based on a non-recurrent examination.

Version 1 of this certificate. The results are recorded in the following annex: test report 1641-18 V2.

DNV GL Netherlands B.V.



J.P. Fonteijne  
Executive Vice President  
KEMA Laboratories



Arnhem, 7 December 2018

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